

III. SPECIFICATION AMENDMENTS

On Page 19, containing the Abstract, please delete the paragraph reading "(Figure 3)" found on Line 15.

Please replace the paragraph [0004] beginning on page 1, line 22 through line 31 as rewritten below:

[0004] A more accurate result is obtained by using as additional information the timing information of a radio link, for instance the timing advance (TA). In the GSM system, TA shows the location of the user equipment at an accuracy of approximately 550 ~~metres~~ meters. The problem is that if the cell is implemented by an omnidirectional antenna, the location of the user equipment is only known in relation to a base station on a circle drawn around it. A base station divided into three sectors, for instance, improves the situation somewhat, but even then, the location of the user equipment can only be positions to a 120-degree sector, in an area 550 ~~metres~~ meters deep, at a certain distance from the base station.